

AMENDMENTS TO THE CLAIMS

The last version and listing of claims in the application are found in the AMENDMENT mailed March 31, 2005 and filed April 4, 2005. This amendment cancels claims 50, 51, 59 and 82 without prejudice; amends claims 47-49, 52-54, 81, 83-87, 96 and 97, and adds new claim 100. This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-46 (Cancelled)

Claim 47 (Currently amended) The laminated article according to claim 83 ~~50~~ wherein the light emitting material is selected from organic light emitting materials, organo-metallic light emitting materials, inorganic light emitting materials and mixtures thereof.

Claim 48. (Currently amended) The laminated article according to claim 84 ~~50~~—wherein the light emitting material is selected from the group of (1) —doped oxides, sulfides, or oxide-sulfides of metals selected from the group of $Y_2O_3:Eu$, $YVO_4:Tm$, $ZnS:Mn$, $Y_2O_2S:Pr$, $Gd_2O_2S:Tb$, and mixtures thereof; (2) phosphors selected from the group of $Lu_2SiO_5:Ce$, $Y_2SiO_5:Ce$, $GdSiO_5:Ce$, $2Gd_2O_3.SiO_2-Th$, $Gd_2O_3.I_3SiO_2-Ce$, $Gd_2O_3.3SiO_2-Eu$ and mixtures thereof; (3) yttrium and gadolinium silicates activated by rare earths elements, and mixtures thereof; (4) luminophors activated by $2Y_2O_3.SiO_2$, Y_2SiO_5 , $Y_{4.67-}(SiO_4)_3O$, or $Y_2Si_2O_7$, prepared from pure Si and Y_2O_3 by fusion; and mixtures of (1), (2), (3) and (4).

Claim 49. (Currently amended) The laminated article according to claim 83 ~~50~~—wherein the second sheet is a transparent sheet.

Claims 50 and 51. (Cancelled)

Claim 52. (Currently amended) The laminated article according to claim 8450, wherein the light emitting material is a fluorescent material and the fluorescent material is between the first sheet and the interlayer.

Claim 53. (Currently amended) The laminate article according to claim 8350, wherein the light emitting material is selected from fluorescent materials, phosphorescent materials, and mixtures thereof.

Claim 54. (Currently amended) A-The laminated article according to claim 83 for use in displaying images, comprising:

~~a first transparent sheet having a first major surface and an opposite major surface defined as a second major surface;~~

~~a second sheet having a first major surface and an opposite major surface defined as a second major surface;~~

~~an interlayer between and securing the second surface of the first and second sheets to position the first and second sheets in facing relationship to one another, and~~

~~at least one light emitting material having an absorption band on the first major surface of the first sheet or between the second major surfaces of the first and second sheets wherein the at least one light emitting material emits wavelengths in the range of 380 to 760 nanometers of the electromagnetic spectrum when radiation of one or more selected wavelengths within the absorption band of the light emitting material impinges on the at least one light emitting material~~

wherein the light emitting material is a dye-doped dendrimer.

Claim 55. (Previously presented) A laminated article for use in displaying objects, comprising:

~~a first transparent sheet having a first major surface and an opposite major surface defined as a second major surface;~~

~~a second sheet having a first major surface and an opposite major surface defined as a second major surface;~~

~~an interlayer between and securing the second surface of the first and second sheets in facing relationship to one another;~~

at least one light emitting material capable of Up-Conversion of infrared energy into visible radiation defined as Up-Conversion material on the first major surface of the first sheet or between the first major surfaces of the first and second sheets, and

a member between the Up-Conversion material and the first major surface of the second sheet, the member passing less than 50% of the infrared energy band impinging on the member.

Claim 56. (Original) The laminated article according to claim 55 wherein the second sheet is a transparent sheet.

Claim 57. (Original) The laminated article according to claim 55 wherein the Up-Conversion material is between the first major surface of the first and second sheets.

Claim 58. (Original) The laminated article according to claim 55, wherein the laminated article is an automotive transparency.

Claim 59. (Cancelled)

Claim 60. (Original) The laminated article according to claim 55, wherein the Up-Conversion material includes dopants selected from Tm^{3+} , Er^{3+} , Tm^{3+} - Yb^{3+} , Er^{3+} - Yb^{3+} and mixtures thereof.

Claims 61-80 (cancelled)

Claim 81 (Currently amended) The the-laminated article according to claim 84 50, further including a functional coating located on or within the laminated article.

Claim 82 (Cancelled)

Claim 83 (Currently amended) A ~~The~~-laminated article according to claim 82 for use in displaying images, comprising:

a first transparent sheet having a first major surface and an opposite major surface defined as a second major surface;
a second sheet having a first major surface and an opposite major surface defined as a second major surface, wherein at least one of the first and second sheets is selected from glass, plastic, and ceramic, and at least one of the first and second sheets is selected from annealed glass, tempered glass, and heat strengthened glass;
an interlayer between and securing the second surface of the first and second sheets to position the first and second sheets in facing relationship to one another;
at least one light emitting material having an absorption band on the first major surface of the first sheet or between the second major surfaces of the first and second sheets wherein the at least one light emitting material emits wavelengths in the range of 380 to 760 nanometers of the electromagnetic spectrum when radiation of one or more selected wavelengths within the absorption band of the light emitting material impinges on the at least one light emitting material, and
a member between the at least one light emitting material and the first major surface of the second sheet, the member passing less than 50% of the wavelengths within the predetermined absorption band impinging on the member.

Claim 84 (Currently amended) A ~~The~~ laminated article according to claim 51 for use in displaying images, wherein the laminated article is a an automotive windshield, comprising:

a first transparent sheet having a first major surface and an opposite major surface defined as a second major surface;
a second sheet having a first major surface and an opposite major surface defined as a second major surface;
an interlayer between and securing the second surface of the first and second sheets to position the first and second sheets in facing relationship to one another;

at least one light emitting material having an absorption band on the first major surface of the first sheet or between the second major surfaces of the first and second sheets wherein the at least one light emitting material emits wavelengths in the range of 380 to 760 nanometers of the electromagnetic spectrum when radiation of one or more selected wavelengths within the absorption band of the light emitting material impinges on the at least one light emitting material, and

a member between the at least one light emitting material and the first major surface of the second sheet, the member passing less than 50% of the wavelengths within the predetermined absorption band impinging on the member.

Claim 85 (Currently amended) The laminated article according to claim 8350, wherein the laminated article is an article selected from the group of a commercial window, a residential window, a commercial sign, an advertising display, and an insulating glass unit.

Claim 86 (Currently amended) The laminated article according to claim 8350, wherein the light emitting material emits energy having a wavelength in the range of 400 nanometers to 700 nanometers of the electromagnetic spectrum.

Claim 87 (Currently amended) The laminated article according to claim 8450, wherein the absorption band of the light emitting material is in at least the range of greater than 0 to less than 400 nanometers of the electromagnetic spectrum.

Claim 88 (Previously presented) The laminated article according to claim 55, wherein the Up-Conversion material is selected from fluorescent materials, phosphorescent materials, and mixtures thereof.

Claim 89 (Previously presented) The laminated article according to claim 55, further including a functional coating located on or within the laminated article.

Claim 90 (Previously presented) The laminated article according to claim 55, wherein at least one of the first and second sheets is selected from glass, plastic, and ceramic.

Claim 91 (Previously presented) The laminated article according to claim 90, wherein at least one of the first and second sheets is selected from annealed glass, tempered glass, and heat strengthened glass.

Claim 92 (Previously presented) The laminated article according to claim 58, wherein the laminated article is a windshield.

Claim 93 (Previously presented) The laminated article according to claim 55, wherein the laminated article is selected from the group of a commercial window, a residential window, a commercial sign, an advertising display, and an insulating glass unit.

Claims 94 (cancelled)

Claim 95 (Previously presented) The laminated article according to claim 47, wherein the absorption band of the light emitting material is in at least the range of greater than 0 to less than 400 nanometers of the electromagnetic spectrum.

Claim 96. (Currently amended) The laminated article according to claim 83 46 wherein the member passes less than 35% of the wavelengths within the predetermined absorption band impinging on the member.

Claim 97. (Currently amended) The laminated article according to claim 84 46 wherein the member passes less than 20% of the wavelengths within the predetermined absorption band impinging on the member.

Claim 98. (Previously presented) The laminated article according to claim 55 wherein the member passes less than 35% of the infrared energy band impinging on the member.

Claim 99. (Previously presented) The laminated article according to claim 55 wherein the member passes less than 20% of the infrared energy band impinging on the member.

Claim 100 (New) The laminated article according to claim 84 wherein the light emitting material is a dye-doped dendrimer.